ABSTRACT

MPEG2 data streams contain data packets for a set of pro-
grams and time stamps for data synchronisation purposes. An
5   MPEG2 transport stream is assembled of fixed-length trans-
port packets. The received transport packets of at least one
specific program of this set of programs can be stored using
for example a DVD Streamer recorder or DVD-RAM recorder. For
the real-time playback of recorded specific program data
10   packets each packet needs a separate time stamp. For that
reason a timestamp is to be captured for each data packet at
recording time. However, capturing of timestamps from a
transport stream is a very time consuming action in software
implementation processing. Therefore transport stream time-
15   stamps are captured for every Nth packet only and the miss-
ing timestamps are calculated. Thereby software-processing
time is saved for generating the timestamps required for
real-time bitstream recording.